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a New
STANDARD of ILLUMINATION

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new york, n. y.

LUCETTE

U. S. Pat. 87964. Other patents pending.

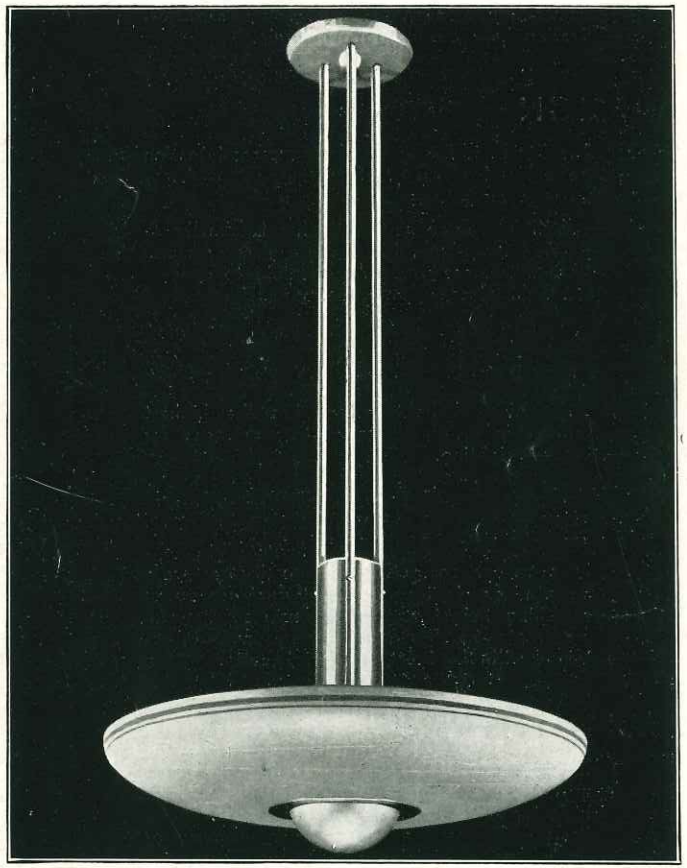
Catalogue No.	*Length*	*Glass*	*Diameter*	*Wattage*
3-S 200	26"	White Opal	16"	200
3-S 300	32"	White Opal	18"	300
3-S 500	33"	White Opal	18"	500
3-S 1000	42"	White Opal	24"	500-1000
3-S 1500	42"	White Opal	26"	1500

A-22

- Hanger brushed chromium finish, white opal glass bowl

- Hanger: brushed cadmium finish—white opal glass bowl
- Slight additional charge for toned or decorated glass.

JUPITER

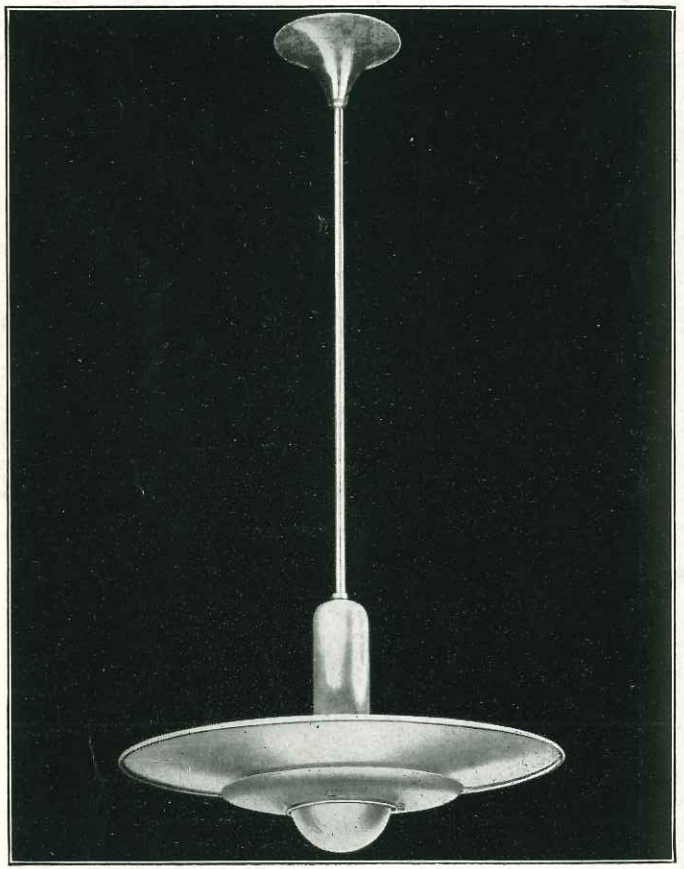


U. S. Pat. 87964. Other patents pending.

Catalogue No.	*Length*	*Glass*	*Diameter*	*Wattage*
3-S 201	26"	White Opal	16"	200
3-S 301	32"	White Opal	18"	300
3-S 501	33"	White Opal	18"	500
3-S 1001	42"	White Opal	24"	500-1000
3-S 1501	42"	White Opal	26"	1500

- The "Louvre" is finished in brushed aluminum. The large shell has an oxidized satin finish with polished edges. Colored enamel finishes with polished aluminum edges at slight additional charge.

LOUVRE



U. S. Pat. 90612. Other patents pending.

Catalogue No.	*Length*	*Diameter*	*Wattage*
3-S 202	26"	17"	200
3-S 302	32"	21"	300
3-S 502	33"	21"	500
3-S 1502	42"	26"	500-1000

SUNETTE

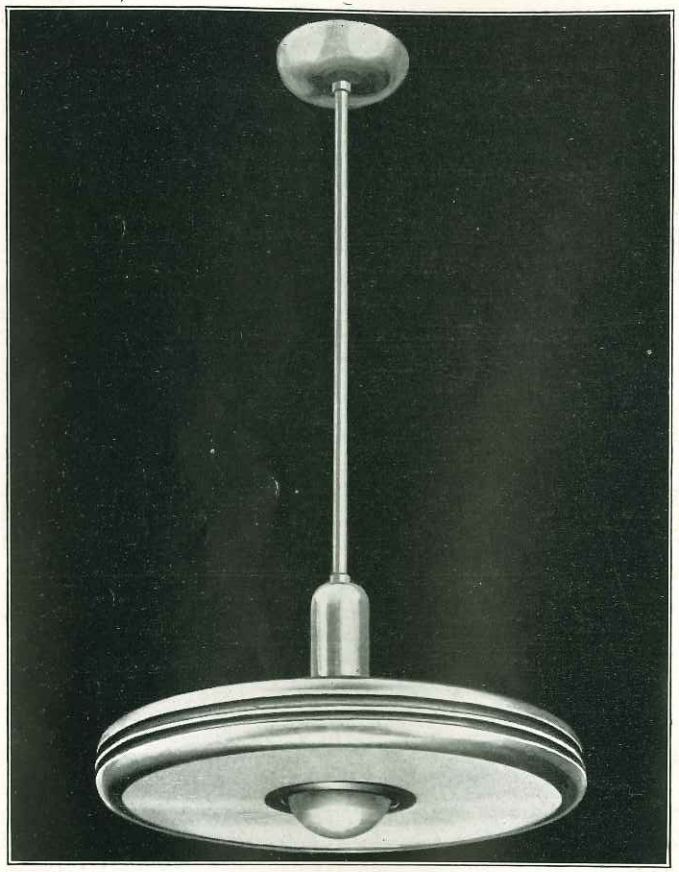
U. S. Pat. 87964. Other patents pending.

Catalogue No.	*Length*	*Diameter*	*Wattage*
3-S 203	26"	17"	200
3-S 303	32"	19"	300
3-S 503	33"	19"	500
3-S 1003	42"	24"	500-1000
3-S 1503	42"	26"	1500

Finish:
Hanger: Brushed Chromium.
Bowl: Satin Aluminum

- Hanger: brushed chromium, bottom rims polished.
  White opal glass bottom.

DOUBLETTE



Patents Pending.

Catalogue No.	*Length*	*Diameter*	*Wattage*
3-S 205	29"	17"	200
3-S 305	34"	20"	300
3-S 505	34"	20"	500
3-S 1505	40"	26"	500-1000

- Brushed chromium finish.
  White opal glass bottom.

ORION

Patents Pending.

Catalogue No.	*Length*	*Diameter*	*Wattage*
3-S 206	26"	17"	200
3-S 306	32"	19½"	300
3-S 506	33"	19½"	500
3-S 1006	42"	24"	500-1000
3-S 1506	42"	26"	1500

ROULETTE

U. S. Pat. 87964. Other patents pending.

Catalogue No.	*Length*	*Diameter*	*Wattage*
3-S 207	26"	18"	200
3-S 307	32"	20"	300
3-S 507	33"	20"	500
3-S 1007	42"	24"	500-1000
3-S 1507	42"	26"	1500

- Hanger: brushed chromium finish.

  Bowl: specially fired art glass, the concentric rings can be had in pastel shades of gray, red, brown or green.

- Hanger: brushed chromium finish, white opal glass bowl

  Rim: polished aluminum.

MERCURY

U. S. Pat. 87964. Other patents pending.

Catalogue No.	*Length*	*Diameter*	*Wattage*
3-S 208	26"	18"	200
3-S 308	32"	20"	300
3-S 508	33"	20"	500
3-S 1008	42"	26"	500-1000

INSTALLATIONS

●

OFFICES and COMMERCIAL:

Philadelphia Savings Fund Building, Philadelphia, Pa.
Dow Chemical Co., Midland, Mich.
Julius Kayser & Co. (Kayser Silks), New York
L. C. Chase & Co., Carpets, New York
Marizon & Rosenberg, New York
Christian Science Publishing Society, Boston, Mass.
Knox Hats, New York

MUSEUMS and AUDITORIUMS:

Avery Memorial, Hartford, Conn.
Gray Museum of Fine Art, Springfield, Mass.
Museum of Natural History, Springfield, Mass.
Whitney Museum of American Art, New York
Museum of Modern Art, New York
Art Museum, Cincinnati, Ohio

SCHOOLS:

Beecher High School, Flint, Mich.
Northville Grade School, Northville, Mich.
School of American Ballet, New York

INDIRECT LIGHTING

within the same price range as obtainable by conventional glass enclosed units has been in steadily increasing demand by architects and builders of our modern buildings because of its optical and esthetic values.

Restful eye efficiency, glare free and shadowless light distribution, low operating cost and easy method of maintenance are prerequisite to this demand, where highest degrees of economy and efficiency must prevail.

Our 3-S Line has solved this problem in a most convincing manner, as shown by Electrical Testing Laboratories' report herein.

DESIGN

The design is the result of an express intention and function rather than of an arbitrary esthetic motive.

The light source and reflector is the bowl-silvered lamp-bulb, the shallow glass or metal bowl acts merely as a baffle plate to conceal the light source from direct view.

EFFICIENCY

Efficiency and light output has the highest obtainable rating under existing methods for indirect lighting.

OPERATING COST

In a recent competition where fixtures were mounted on eight and one-half foot centers at a ceiling height of twelve feet, an average of twenty-four foot-candles per bay, was obtained with the 3-S 200 Watt Lucette.

MAINTENANCE

Cleaning cost is practically eliminated by the use of a bowl-silvered lamp. The silver mirror reflector is hermetically sealed to the lamp itself and therefore cannot become dusty or dirty, thus maintaining its initial efficiency.

RELAMPING

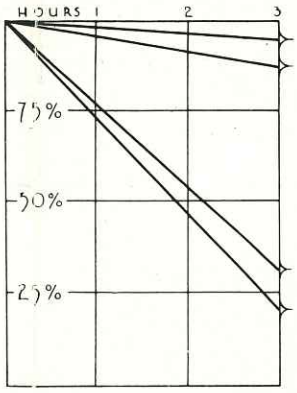
No disassembling is necessary for relamping. The lamp which protrudes through the bottom of the bowl is replaced from below. Consequently the bulb's metallic reflector becomes an integral part of the fixture design.

PATENTS

Our 3-S Line is protected by U. S. Letters Patent and pending applications. Infringements will be prosecuted.

HOW LIGHTING AFFECTS EFFICIENCY

TESTS PROVED THAT AFTER 3 HOURS OF WORK HUMAN EFFICIENCY WAS~



96% in Daylight
88% under INDIRECT LIGHT

NOTE THIS DIFFERENCE OF OVER 50% EFFICIENCY BY ACTUAL RATING TESTS

28% under Semi-indirect light
22% under Direct light

THIS CHART ILLUSTRATES THE PRESERVATION OF EFFICIENCY AND HUMAN ENERGY UNDER INDIRECT LIGHT IN COMPARISON WITH THE TWO OTHER METHODS OF ARTIFICIAL LIGHTING

ELECTRICAL TESTING LABORATORIES
NEW YORK, N. Y.

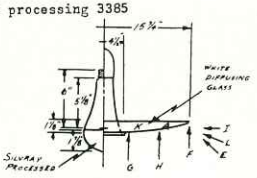
REPORT NO. 131141 ORDER NO. 51475-S PLATE NO. 26051

CANDLEPOWER DISTRIBUTION
NO.3-S 200 WATT LUMINAIRE*

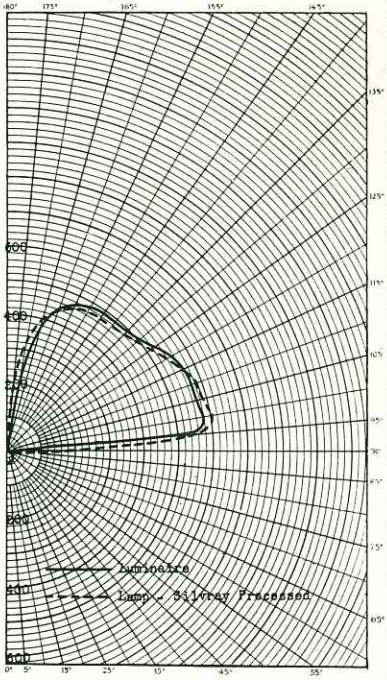
Rendered to Kurt Versen

Lamp - 200 Watts; 115 Volts; 3303 Lumens;
PS30 Silvray Processed Gas-Filled Bulb;
C-9 Filament; Medium Base; General Service.

Lumens before processing 3385



Weight of Glass - 2 lb. 10 oz.



LUMINAIRE DISTRIBUTION DATA
Mean Vertical

MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	CANDLEPOWER AT 10 FEET	ZONAL LUMENS
180° ZEN.	48.5		90° HOR.	31.2	
175°	86.5	10	85°	14.4	16
165°	350	98	75°	11.0	12
155°	468	217	65°	17.0	17
145°	494	310	55°	20.8	19
135°	497	385	45°	26.9	21
125°	520	470	35°	30.4	19
115°	512	564	25°	33.8	16
105°	568	603	15°	36.2	10
95°	294	352	5°	36.9	4
			0° NADIR	36.9	

LIGHT FLUX VALUES

ZONE	LUMENS Silvray Lamp	LUMENS Luminaire	PER CENT TOTAL LUMENS Silvray Lamp	PER CENT LIGHT OUTPUT IN TERMS OF CLEAR LAMP
0°-60°	-	89	2.5	93
0°-90°	96	134	4	
90°-180°	3207	3009	91	
0°-180°	3303	3143	95	

LUMINAIRE BRIGHTNESS

CANDLEPOWER PER SQUARE INCH
THE ARROWS INDICATE THE LOCATION AND ANGLE OF VIEW

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L	M
CP. PER SQ. IN.	0.35				0.35	0.34	0.009	0.15	0.35		0.35	0.35	

*E.T.L. Identification No.4416.

TESTED BY _____ PLOTTED BY _____ COMPUTED BY _____ CHECKED BY _____ ISSUED July 7th, 1932.

APPROVED BY William F. Rudd
ENGINEER IN CHARGE OF PHOTOMETRY

C. E. Horn
IN CHARGE OF TEST